SEARCH REQUEST FORM   Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 10/2/06 Serial # 10/766,097 Priority Application Date 3/29/03

Your Name M. Lewis   Examiner # _____

AU 2822 Phone 272-1838 Room 5A30

In what format would you like your results? Paper is the default.   PAPER   DISK   EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?
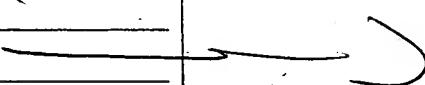Circle: USPT   DWPI   EPO Abs   JPO Abs   IBM TDB
Other:_____

Need before 10/9

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.
_____

What types of <u>references</u> would you like? Please checkmark:

OCT   2 REC'D

Primary Refs ___✓___ Nonpatent Literature ____ Teaching Refs _____
Secondary Refs ___ Foreign Patents _____ Other _____

Is this a "Fast & Focused Search" request? (Circle One)   YES   (NO)

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm

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What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search?   Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 4 & 7
Pattern Generation

Problem: See pages 1-3
Solution: "   "   3 & 4

Staff Use Only

Searcher: Michael O'Keele

Searcher Phone: 571-272-2663

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 10/5/06

Date Completed: 10/6/06

Searcher Prep/Rev Time: 73

Online Time: 97

Type of Search

Structure (#)_____

Bibliographic ___✓___

Litigation_____

Fulltext_____

Patent Family_____

Other_____

Vendors

STN ___✓___

Dialog ___✓___

Questel/Orbit_____

Lexis-Nexis_____

WWW/Internet_____

Other_____

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(FILE 'HOME' ENTERED AT 17:01:07 ON 05 OCT 2006)

     FILE 'CAPLUS' ENTERED AT 17:01:26 ON 05 OCT 2006
L1       781053 SEA ABB=ON  PLU=ON  SEMICONDUCTOR OR SEMI CONDUCTOR OR
                            INTEGRATED CIRCUIT###### OR IC OR I C OR WAFER####### OR CHIP
                            OR MICROCHIP
L2         1717 SEA ABB=ON  PLU=ON  (DUMM###### OR ACTUAL######)(3A)PATTERN####
                            #####
L3        10443 SEA ABB=ON  PLU=ON  (PLURAL####### OR DIFFER####### OR MANY OR
                            MULTI###########)(3A)(WIRE OR WIRING)
L4       261172 SEA ABB=ON  PLU=ON  RECTANG####### OR ORTHOGONAL OR RIGHT
                            ANGLE OR SQUAR#########
L5        20112 SEA ABB=ON  PLU=ON  (ROTAT######## OR TURN##### OR TWIST######
                            OR CHANG##### OR ADJUST### OR ALTER#########)(3A)ANGLE
L6            0 SEA ABB=ON  PLU=ON  L1 AND L2 AND L3 AND L4 AND L5
L7           24 SEA ABB=ON  PLU=ON  L1 AND L2 AND L3
L8            0 SEA ABB=ON  PLU=ON  L7 AND L5
L9            0 SEA ABB=ON  PLU=ON  L7 AND L4
L10         920 SEA ABB=ON  PLU=ON  S2 AND S4 AND S5
L11          34 SEA ABB=ON  PLU=ON  L10 AND CENTER#####
L12           3 SEA ABB=ON  PLU=ON  L11 AND LONG######
L13           5 SEA ABB=ON  PLU=ON  L11 AND POINT####
L14          46 SEA ABB=ON  PLU=ON  L2 AND L4
L15           0 SEA ABB=ON  PLU=ON  L14 AND L5
L16          17 SEA ABB=ON  PLU=ON  L14 AND L1
L17      106105 SEA ABB=ON  PLU=ON  PERPENDICULAR########
L18           2 SEA ABB=ON  PLU=ON  L10 AND L17
L19          12 SEA ABB=ON  PLU=ON  L7 AND PY<=2003
              D L12 1-3 IBIB ABS
L20           5 SEA ABB=ON  PLU=ON  L13 NOT L12
              D L20 IBIB ABS 1-5
L21          11 SEA ABB=ON  PLU=ON  L16 AND PY<=2003
L22          11 SEA ABB=ON  PLU=ON  L21 NOT (L12 OR L13)
              D L22 IBIB ABS 1-11
L23           2 SEA ABB=ON  PLU=ON  L18 NOT (L12 OR L13 OR L21)
              D L23 IBIB ABS 1-2
L24          12 SEA ABB=ON  PLU=ON  L19 NOT (L12 OR L13 OR L21 OR L18)
              D L24 1-12 IBIB ABS
FILE 'STNGUIDE' ENTERED AT 17:22:42 ON 05 OCT 2006
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10/6/2006 11:29:53 AM

[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 94] JICST-EPlus 1985-2006/Nov W3
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan B1
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 56] Computer and Information Systems Abstracts 1966-2006/Aug
[File 57] Electronics & Communications Abstracts 1966-2006/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC

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Set     Items    Description
S1    5234426    S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR
PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ?
OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT???
OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX?????(3N)CIRCUIT OR
FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR
INTEGRAT?????)(3N)FLEX??????

S2     183144    S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?)(3N)(LAYER????? OR
FILM???? OR COAT???? OR SHEET???? OR DEPOSIT????? OR LAMINA??????? OR OVERLAY???? OR OVERLAY????
OR STACK????? OR MULTILAYER?????? OR PLURALIT??????) OR (PURAL???? OR DIFFER??? OR MANY OR
MULTI????? OR NUMBER????)(3N)(WIRE? ? OR WIRING)

S3     278700    S (DUMM????? OR VITUAL???? OR REPLICA?????? OR DUPLICATE???? OR MODEL????? OR
COPI??? OR COPY???? OR SUBSTITUT????? OR CLON????? OR FACSIMILE? ? OR REPRO??????? OR ACTUAL????
OR REAL OR ORIGINAL???? OR ACTUAL??? OR TRUE OR EXTEND??????)(3N)(PATTERN???? OR MESH???? OR
LATTIC????? OR SCREEN????? OR TEMPLAT????? OR MASK????)

S4    8469002    S RECTANG?????? OR ORTHOGONAL???? OR RIGHT()ANGLE?? OR RIGHTANGLE?? OR SQUAR?????
OR PERPENDICULAR???? OR VERTICAL????? OR HORIZONT?????? OR SHAP???? OR SIZE? ?

S5      80616    S (ROTAT??????? OR ARRANG?????? OR TURN???? OR TWIST???? OR
REVOLV?????)(3N)(ANGLE?.? OR ANGULAR OR SLOP????? OR INCLIN?????????? OR GRADIENT? ?)

S6          0    S (DUMMY()PATTERN????)(10N)(ACTUAL????()PATTERN???????)

S7     405707    S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF()WAY????)(3N)(POINT????
OR TARGET???? OR LOCATION???? OR POSITION???? OR SPOT????) OR MIDPOINT????? OR MID()POINT??? OR
MEDIAN OR MIDWAY? ? OR MID()WAY? ?

S8          0    S S1 AND S2 AND S3 AND S4 AND S5 AND S7
S9        188    S S3 AND S4 AND S5
S10        13    S S9 AND S1
S11        10    RD (unique items)
S12        10    S S11 AND PY<=2003
S13         0    S S9 AND S7
S14         0    S S9 AND LONG?????(2N)SIDE? ?

S15         0    S S9 AND (ORTHOGONAL OR EXTEND?????)(3N)(DIRECT????? OR LOCAT????? OR
POSITION?????)

S16         0    S S9 AND (ORTHOGONAL?????(3N)(WIRED OR WIRING))
S17        ·14    S S9 AND PERPENDICULAR????
S18         8    RD (unique items)
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S19          8    S S18 AND PY<=2003
S20         20    S S9 AND LONG????
S21         16    RD  (unique items)
S22         11    S S21 AND PY<=2003
S23         36    S S1 AND S2 AND S3 AND S4

S24          0    S S23 AND (ORTHOGONAL???? OR EXTEND?????)(3N)(DIRECT????? OR LOCAT????? OR
POSITION?????)

S25          4    S S23 AND (ORTHOGONAL????? OR EXTEND?????)
S26          4    RD  (unique items)
S27          0    S S23 AND S5
S28          0    S S23 AND (ORTHOGONAL?????(3N)(WIRED OR WIRING))
S29          0    S S23 AND S7
S30          8    S S19 NOT S12
S31          9    S S22 NOT (S19 OR S12)
S32          4    S S26 NOT (S12 OR S19 OR S22)
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10/6/2006 11:47:24 AM
10/6/2006 12:28:53 PM

[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2006/UD,UM &UP=200607
[File 371] French Patents 1961-2002/BOPI 200209

Set	Items	Description

S1   2767186   S SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR
PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ?
OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT???
OR CHIP? ? OR WAFER??? OR MICROCHIP? ? OR MICRO()CHIP? ? OR VLSI? ? OR FLEX?????(3N)CIRCUIT OR
FLEX?????? OR (LEAD? ? OR WIRE? ? OR WIRING OR LINE? ? OR TRAC????? OR
INTEGRAT?????)(3N)FLEX??????

S2   284383   S (WIRE??? OR WIRING OR WIRE? ? OR LEAD? ? OR FLEX OR LINE? ?)(3N)(LAYER????? OR
FILM???? OR COAT???? OR SHEET???? OR DEPOSIT????? OR LAMINA??????? OR OVERLAY???? OR OVERLAY????
OR STACK????? OR MULTILAYER?????? OR PLURALIT??????) OR (PURAL???? OR DIFFER??? OR MANY OR
MULTI????? OR NUMBER????)(3N)(WIRE? ? OR WIRING)

S3   45077   S (DUMM????? OR VITUAL???? OR REPLICA?????? OR DUPLICATE???? OR MODEL????? OR
COPI??? OR COPY???? OR SUBSTITUT????? OR CLON????? OR FACSIMILE? ? OR REPRO??????? OR ACTUAL????
OR REAL OR ORIGINAL???? OR ACTUAL??? OR TRUE OR EXTEND??????)(3N)(PATTERN???? OR MESH???? OR
LATTIC????? OR SCREEN????? OR TEMPLAT????? OR MASK????)

S4   4958726   S RECTANG?????? OR ORTHOGONAL???? OR RIGHT()ANGLE?? OR RIGHTANGLE?? OR SQUAR?????
OR PERPENDICULAR???? OR VERTICAL????? OR HORIZONT?????? OR SHAP???? OR SIZE? ?

S5   147931   S (ROTAT??????? OR ARRANG?????? OR TURN???? OR TWIST???? OR
REVOLV?????)(3N)(ANGLE? ? OR ANGULAR OR SLOP????? OR INCLIN????????? OR GRADIENT? ?)

S6   16   S (DUMMY()PATTERN????)(5N)(ACTUAL????()PATTERN???????)

S7   154462   S (CENTER? ? OR CENTRE? ? OR MIDDLE OR HALFWAY??? OR HALF()WAY????)(3N)(POINT????
OR TARGET???? OR LOCATION???? OR POSITION???? OR SPOT????) OR MIDPOINT????? OR MID()POINT??? OR
MEDIAN OR MIDWAY? ? OR MID()WAY? ?

S8	56418	S IC=(H01L-021/82 OR H01L-023/48)
S9	10431	S MC=(U11-C05D OR U11-D03C1)
S10	0	S S1 AND S2 AND 3 AND S4 AND S5 AND S6 AND S7
S11	373	S S1 AND S2 AND S3 AND S4
S12	7	S S11 AND S5
S13	6	S S12 AND PY<=2003
S14	6	S S6 AND S8
S15	2	S S6 AND S9
S16	7	S S2 AND S3 AND S4 AND S5
S17	6	S S16 AND PY<=2003
S18	9	S S11 AND LONG?????(2N)SIDE? ?
S19	8	S S18 AND PY<=2003

S20   68   S S11 AND (ORTHOGONAL???? OR EXTEND?????)(3N)(DIRECT????? OR LOCAT????? OR
POSITION?????)

S21	12	S S20 AND S8
S22	1	S S21 AND S9
S23	2	S S20 AND (ORTHOGONAL?????(3N)(WIRED OR WIRING))
S24	6	S S11 AND S7
S25	3	S S24 AND PY<=2003
S26	0	S S1 AND S3 AND S4 AND S5 AND S7
S27	21	S S1 AND S3 AND S4 AND S5
S28	1	S S27 AND S8
S29	0	S S27 AND S9
S30	17	S S27 AND (ORTHOGONAL????? OR EXTEND?????)
S31	16	S S30 AND PY<=2003
S32	3	S S31 AND LONG?????
S33	6	S S14 NOT S13
S34	0	S S15 NOT (S13 OR S14)
S35	0	S S17 NOT (S13 OR S14 OR S15)

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S36      8   S S19 NOT (S13 OR S14 OR S15 OR S17)
S37      0   S S22 NOT (S13 OR S14 OR S15 OR S17 OR S19)
S38      2   S S23 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22)
S39      2   S S25 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23)
S40      1   S S28 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25)
S41      1   S S32 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25 OR S28)
S42     10   S S21 NOT (S13 OR S14 OR S15 OR S17 OR S19 OR S22 OR S23 OR S25 OR S28 OR S32)
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